## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application.

## Listing of Claims:

- 1-15 (Canceled)
- 16. (New) A composition based on cerium oxide and on zirconium oxide in a Ce/Zr atomic proportion of at least 1, exhibiting a level of reducibility of at least 70% and a specific surface of at least 15 m<sup>2</sup>/g.
- 17. (New) The composition as claimed in claim 16, wherein the level of reducibility is of at least 75%.
- 18. (New) The composition as claimed in claim 17, wherein the specific surface is of at least  $20 \text{ m}^2/\text{g}$ .
- 19. (New) The composition as claimed in claim 18, wherein the Ce/Zr atomic proportion is of at most 1.4.
- 20. (New) The composition as claimed in claim 16, further comprising at least one lanthanide element other than cerium.
- 21. (New) The composition as claimed in claim 16, further comprising at least one precious metal.
- 22. (New) The composition as claimed in claim 21, further comprising at least one lanthanide element other than cerium.
- 23. (New) The composition as claimed in claim 22, wherein the precious metal is platinum, rhodium, palladium, iridium, silver or gold.

- 24. (New) A process for the preparation of a composition as defined in claim 16, comprising the stages of:
- (a) forming a mixture comprising compounds of cerium, of zirconium and optionally of an abovementioned element;
- (b) adding to said mixture a basic compound, whereby a precipitate is obtained;
- (c) heating said precipitate in an aqueous medium; then
- (d) either adding first to the medium obtained in stage c) an additive which is an anionic surfactant, nonionic surfactant, polyethylene glycol, carboxylic acid, salt of a carboxylic acid, ethoxylate of a fatty alcohol surfactant which is carboxymethylated, and, optionally, subsequently separating said precipitate; or
- (d') or separating first said precipitate and subsequently adding said additive to the precipitate;
- (e) milling the precipitate obtained in the preceding stage; and
- (f) calcining the precipitate thus obtained in stage e) under an inert gas or under vacuum, in a first step, at a temperature of at least 850°C, and then under an oxidizing atmosphere, in a second step, at a temperature of at least 400°C.
- 25. (New) A process for the preparation of a composition as claimed in claim 16, comprising the stages of:
- (a) forming a mixture comprising compounds of cerium, of zirconium and optionally of an abovementioned element;
- (b) heating the mixture, whereby a precipitate is obtained;
- (c) (d) either adding first to the medium obtained in stage c) an additive which is a

nonionic surfactant, polyethylene glycol, carboxylic acid, salt of a carboxylic acid, ethoxylate of a fatty alcohol surfactant which is carboxymethylated, and, optionally, subsequently separating said precipitate; or

- (c') or separating first said precipitate and subsequently adding said additive to the precipitate;
- (d) milling the precipitate obtained in the preceding stage; and
- (e) calcining the precipitate thus obtained under an inert gas or under vacuum, in a first step, at a temperature of at least 850°C, and then under an oxidizing atmosphere, in a second step, at a temperature of at least 400°C.
- 26. (New) The process as claimed in claim 24, wherein the compound of zirconium, of cerium and of the abovementioned element, is a nitrate, sulfate, acetate, chloride or ceric ammonium nitrate.
- 27. (New) The process as claimed in claim 25, wherein the compound of zirconium, of cerium and of the abovementioned element, is a nitrate, sulfate, acetate, chloride or ceric ammonium nitrate.
- 28. (New) The process as claimed in claim 26, wherein the heating of the precipitate from stage (c) or of the mixture from stage (b) is carried out at a temperature of at least 100°C.
- 29. (New) The process as claimed in claim 27, wherein the heating of the precipitate from stage (c) or of the mixture from stage (b) is carried out at a temperature of at least 100°C.

- 30. (New) The process as claimed in in claim 24, wherein a wet milling is carried out.
- 31. (New) The process as claimed in in claim 24, wherein the milling is carried out by subjecting a suspension of the precipitate to shearing.
- 32. (New) The process as claimed in in claim 24, wherein a precious metal is added to the precipitate resulting from stage (d) or (d') or from stage (c) or (c').
- 33. (New) The process as claimed in in claim 25, wherein a precious metal is added to the precipitate resulting from stage (d) or (d') or from stage (c) or (c').
- 34. (New) A catalytic system, comprising a composition as defined in claim 16.
- 35. (New) A process for the treatment of exhaust gases from internal combustion engines, comprising the step of treating said gases with a catalytic system as claimed in claim 34.